

SECTION 75

MISCELLANEOUS METAL

The following is to be added:

75-1.02 Miscellaneous Iron and Steel - The following specification shall be added to this section of Caltrans Standard Specifications:

75-1.02A Maintenance Hole Frames and Covers - Gray iron castings shall conform to and/or exceed the requirements of ASTM A48-76, Class 30 and test bar size shall be as stated in Table I.

A "Certificate of Compliance" signed by an authorized agent of the manufacturer or supplier shall be required.

Each certificate so furnished shall be accompanied by a copy of test results stating that the material has been sampled, tested, and inspected in accordance with the provisions of the latest issue of ASTM A-48, Gray Iron Castings. Test bars shall be cast and tested for the first lot of casting and every four (4) months thereafter. If production is interrupted for any period longer than four months, test bars shall be cast and tested from the initial lot after production is resumed and every four (4) months thereafter. The first lot is defined as the first castings produced after January 1st of each year. The tension tests specified shall be performed and the results certified by an independent testing laboratory located in the United States of America.

In addition, current certified test reports for testing in accordance with AASHTO H-20 loading shall be furnished.

Units furnished shall be identifiable with reference to the above tests.

Machined surface tolerances shall produce true, uniform bearing surfaces.

All frames and lids shall be interchangeable with like seat design. Dimensional fit tolerances shall not exceed those allowed on designated specified units detailed on Standard Drawing No. 54.

Maintenance hole frame and covers and catch basin frames and covers shall be wire brushed removing all dirt and loose mill scale and rust and given a coat of coal tar pitch at 180° F.

75-1.02B Identifying Castings - All gray iron castings shall be marked on the top surface with the English name of the country of origin; manufacturer's name, lot number, and initials or logo type. In addition, the month and year of manufacture shall be cast on the frame and cover adjacent to the name of the manufacturer. Such marking shall be made by means of stamping, cast-in-mold lettering, etching, or engraving.